Index to Volume XIII

Abrus precatorius forma *luteoseminalis* forma nov., 168
Alpheus bastardi, 147
collumianus medius, 138
crassimanus, 147
diadema, 141
edmondsi, 141
frontalis, 141
huikau nom. nov., 139–140
lanceloti, 143
lanceostylus sp. nov., 136–138
lutini, 141
macrochirus, 141
malabaricus subsp. nov. *mackayi*, 149
pacificus, 149
paragracilis, 140
phrygianus, 141
platyunguiculatus, 146
rapax, 143
strenuus, 149
ventrosus, 141
Aluminum in Some Hawaiian Plants, 335–341
Aplysia californica, 63–66; 357–361
depilans, 357
punctata, 361
aplysioazurin, 361
Arete dorsalis, 130
indicus, 130
Ascyltus pterygodes, 365

BANNER, ALBERT H.:
Contributions to the Knowledge of the Alpheid Shrimp of the Pacific Ocean, Part IV. Various Small Collections from the Central Pacific Area, including Supplementary Notes on Alpheids from Hawaii, 130–155
BARY, B. M.:
Species of Zooplankton as a Means of Identifying Different Surface Waters and Demonstrating Their Movements and Mixing, 14–54
Ecology and Distribution of Some Pelagic Hyperiidea (Crustacea, Amphipoda) from New Zealand Waters, 317–334
Bavia aericeps, 365
Bobea elatior, 3–13
Botanical Novelties on the Island of Niihau, Hawaiian Islands. Hawaiian Plant Studies 25, 156–190

Caligus klawei n. sp., 351–356
CARLQUIST, SHERWIN:
Vegetative Anatomy of *Dubautia*, *Argyroxiphium*, and *Wilkesia* (Compositae), 195–210
Ceramium eitonianum, 64
Chaetognatha of the Tropical Eastern Pacific Ocean, 269–285
Cheirodendron trigynum var. *Hillebrandii*, 171–172
Chiracanthium diversum, 364–365
furax, 364
longimanum, 364
Clubiona alveolata, 365
Composition and Nutritive Value of Palolo (*Palola siciliensis* Grube), 191–194
Conopistha samoensis, 366
unimaculata, 366
Contributions to the Knowledge of the Alpheid Shrimp of the Pacific Ocean, Part IV. Various Small Collections from the Central Pacific Area, including Supplementary Notes on Alpheids from Hawaii, 130–155
Conus abbreviatus, 371
acutangulus, 371–372
arenatus, 398
aristophanes, 398
atramentosus, 398
aulicus, 397
aureus, 397
auricomus, 397
bullatus, 372–373
cancellatus, 398
capitaneus, 373–375
catus, 375
chaldaeus, 375–377
circumactis, 377–378
cylindraceus, 397
distans, 378
ebraeus, 378–379
elisae, 396–397
emaciatus, 398
fabula, 397
flavidus, 379
fusiformis, 398
imperialis, 379–380
leopardus, 380–381
litoglyphus, 381–382
lividus, 382–383
marmoreus, 383–384
miles, 384
miliaris, 398–399
moreleti, 384–385
nusatella, 385
obscurus, 385–386
parvus, 399
pennaceus, 386–387
pertusus, 387
pulicarius, 387–388
quercinus, 388
rattus, 388–389
retifer, 389
scabriusculus, 397
smirna, 397
spiceri, 389–390
sponsalis, 390–391
striatus, 391–392
suturatus, 392–393
tenuistriatus, 398
tessulatus, 393
textile, 393–394
tulipa, 398
vexillum, 394–395
virgo, 399
vitulinus, 395
Crouania annulata, 61–62
Cyclosa litoralis, 366
Cyllopus macropis, 317–334
magellanicus, 317–334
Cyrtoph·ra moluccensis, 366

Index to Volume XIII

Abrus precatorius forma *luteoseminalis* forma nov., 168
Alpheus bastardi, 147
collumianus medius, 138
crassimanus, 147
diadema, 141
edmondsi, 141
frontalis, 141
huikau nom. nov., 139–140
lanceloti, 143
lanceostylus sp. nov., 136–138
lutini, 141
macrochirus, 141
malabaricus subsp. nov. *mackayi*, 149
pacificus, 149
paragracilis, 140
phrygianus, 141
platyunguiculatus, 146
rapax, 143
strenuus, 149
ventrosus, 141
Aluminum in Some Hawaiian Plants, 335–341
Aplysia californica, 63–66; 357–361
depilans, 357
punctata, 361
aplysioazurin, 361
Arete dorsalis, 130
indicus, 130
Ascyltus pterygodes, 365

BANNER, ALBERT H.:
Contributions to the Knowledge of the Alpheid Shrimp of the Pacific Ocean, Part IV. Various Small Collections from the Central Pacific Area, including Supplementary Notes on Alpheids from Hawaii, 130–155
BARY, B. M.:
Species of Zooplankton as a Means of Identifying Different Surface Waters and Demonstrating Their Movements and Mixing, 14–54
Ecology and Distribution of Some Pelagic Hyperiidea (Crustacea, Amphipoda) from New Zealand Waters, 317–334
Bavia aericeps, 365
Bobea elatior, 3–13
Botanical Novelties on the Island of Niihau, Hawaiian Islands. Hawaiian Plant Studies 25, 156–190

Caligus klawei n. sp., 351–356
CARLQUIST, SHERWIN:
Vegetative Anatomy of *Dubautia*, *Argyroxiphium*, and *Wilkesia* (Compositae), 195–210
Ceramium eitonianum, 64
Chaetognatha of the Tropical Eastern Pacific Ocean, 269–285
Cheirodendron trigynum var. *Hillebrandii*, 171–172
Chiracanthium diversum, 364–365
furax, 364
longimanum, 364
Clubiona alveolata, 365
Composition and Nutritive Value of Palolo (*Palola siciliensis* Grube), 191–194
Conopistha samoensis, 366
unimaculata, 366
Contributions to the Knowledge of the Alpheid Shrimp of the Pacific Ocean, Part IV. Various Small Collections from the Central Pacific Area, including Supplementary Notes on Alpheids from Hawaii, 130–155
Conus abbreviatus, 371
acutangulus, 371–372
arenatus, 398
aristophanes, 398
atramentosus, 398
aulicus, 397
aureus, 397
auricomus, 397
bullatus, 372–373
cancellatus, 398
capitaneus, 373–375
catus, 375
chaldaeus, 375–377
circumactis, 377–378
cylindraceus, 397
distans, 378
ebraeus, 378–379
elisae, 396–397
emaciatus, 398
fabula, 397
flavidus, 379
fusiformis, 398
imperialis, 379–380
leopardus, 380–381
litoglyphus, 381–382
lividus, 382–383
marmoreus, 383–384
miles, 384
miliaris, 398–399
moreleti, 384–385
nusatella, 385
obscurus, 385–386
parvus, 399
pennaceus, 386–387
pertusus, 387
pulicarius, 387–388
quercinus, 388
rattus, 388–389
retifer, 389
scabriusculus, 397
smirna, 397
spiceri, 389–390
sponsalis, 390–391
striatus, 391–392
suturatus, 392–393
tenuistriatus, 398
tessulatus, 393
textile, 393–394
tulipa, 398
vexillum, 394–395
virgo, 399
vitulinus, 395
Crouania annulata, 61–62
Cyclosa litoralis, 366
Cyllopus macropis, 317–334
magellanicus, 317–334
Cyrtoph·ra moluccensis, 366

Delissea argutidentata comb. nov., 181
niihauensis sp. nov., 177–180
Diaea praetexta, 365
Dictyna bifasciata, 363

Ecology and Distribution of Some Pelagic Hyperiidea (Crustacea, Amphipoda) from New Zealand Waters, 317–334
Eleocharis calva var. *australis* comb. nov., 159–163
Embassichthys bathybius, 311–312
Engraulis mordax, 351
Epeira plebeja, 366
theisi, 366
Erasmia nigrovittata, 365
Erythrina sandwicensis
var. *luteosperma* var. nov., 171
var. *sandwicensis*
forma *alba* forma nov., 171
forma *lutea* forma nov., 171
forma *sandwicensis*, 168–171
Eukrohnia hamata, 282
Evapotranspiration in Hong Kong: A Second Report, 81–87

Flora of Namonuito and the Hall Islands, 88–104
Four New Species, a New Genus, and a New Suborder of Hawaiian Fishes, 67–77

Gamasomorpha loricata, 363
Germo alalunga, 342
Gigartina canaliculata, 64
GOSLINE, WILLIAM A.:
Four New Species, a New Genus, and a New Suborder of Hawaiian Fishes, 67–77
Gulsonia annulata, 55–62
mediterranea, 62

Hawaiian Species of *Conus* (Mollusca: Gastropoda), 368–401
Hazeus unisquamis sp. nov., 67, 70–71
Heteropoda venatoria, 365
HUBBS, CARL L.:
Initial Discoveries of Fish Faunas on Seamounts and Offshore Banks in the Eastern Pacific, 311–316
HURLEY, D. E.:
Notes on the Ecology and Environmental Adaptations of the Terrestrial Amphipoda, 107–129
Hyperia bengalensis, 324
spinigera, 324–334
Hyperoche mediterranea, 317–334
medusarum, 324–334

Initial Discoveries of Fish Faunas on Seamounts and Offshore Banks in the Eastern Pacific, 311–316
Intraspecific Variation in the Purple Secretion of the California Sea Hare, *Aplysia californica* Cooper, 357–361

Katsuwonus pelamis, 342–348
KENYON, KARL W., and DALE W. RICE:
Life History of the Hawaiian Monk Seal, 215–252
Key to the Chaetognatha of the Tropical Eastern Pacific Ocean, 269–285
KOHN, ALAN T.:
The Hawaiian Species of *Conus* (Mollusca: Gastropoda), 368–401
Krohnitta pacifica, 281
subtilis, 281–282

Leucauge tuberculata, 366
Life History of the Hawaiian Monk Seal, 215–252
Lipochaeta kauaiboaensis sp. nov., 181–185
lobata var. *incisior* var. nov., 185
lobata var. *maunaloensis*, 185–186
niihauensis sp. nov., 186–189

Marine Mollusca of the New Hebrides, 253–268
MARPLES, B. J.:
Spiders from Some Pacific Islands, III. The Kingdom of Tonga, 362–367
Mechanism of Color Variation Operating in the West Coast Sea Hare, *Aplysia californica* Cooper, 63–66
Menemerus bivittatus, 365
MILLER, CAREY D., and FLORENCE PEN:
Composition and Nutritive Value of Palolo (*Palola siciliensis* Grube), 191–194
Mollicia microphthalma, 365
Monachus schauinslandi, 215–252
MOOMAW, J. C., MARTHA T. NAKAMURA, and G. DONALD SHERMAN:
Aluminum in Some Hawaiian Plants, 335–341

Neanthes lighti, 349–350
Neothunnus macropterus, 342
Nephila flagellans, 366
Nereis limnicola, 349–350
News Notes:
Tenth Pacific Science Congress, 211–212
Executive Committee of the Tenth Congress, 306–307
New Species of *Caligus* (Copepoda Parasitica) from the Coast of California, 351–356
New Species of Polychaetous Annelid (Family Capitellidae) from Southern California, 78–80
Note:
Walford's Transformation, 211
Notes on Indo-Pacific Scleractinian Corals, Parts I and II, 286–290
Notes on the Ecology and Environmental Adaptations of the Terrestrial Amphipoda, 107–129
Nototrichium sandwicense var. *niihauense* var. nov., 166–168

Occurrence of Gibbsite Amygdules in Haiku Bauxite Area of Maui, 291–294
Orchestia spp., 107–129
Oryzotrochus n. gen., 286
stephensoni n. sp., 286–288

Palola siciliensis, 191–194
Panicum Heupueo sp. nov., 156–158
radiatius nom. nov., 158–159
Paralycaea gracilis, 324–334
Parascelis typhoides (?), 325–334
Parathemisto australis, 317–334
gaudichaudii, 317–334
gracilipes, 317–334
Pattern and Ontogeny of the Foliar Venation of *Bobea elatior* (Rubiaceae), 3–13
Pholcus ancoralis, 364
Phronima sedentaria, 325–334
Physocyclus globosus, 364
Platyscelus ovoides, 324–334

Plexippus payculli, 365
Plocamium pacificum, 64–66, 360
Pogonymus, n. gen., 67, 71–72
pogognathus n. sp., 67, 72–73
PRAY, THOMAS R.:
Pattern and Ontogeny of the Foliar Venation of *Bobea elatior* (Rubiaceae), 3–13
Primno macropa, 325–334
Pritchardia Aylmer-Robinsonii sp. nov., 163
Pterosagitta draco, 282–283
Pterygotrigla picta, 313–315

Quisquilius aureoviridis sp. nov., 67, 68–69
eugenius, 67–68
limbatosquamis sp. nov., 67, 69–70

RAMAGE, C. S.:
Evapotranspiration in Hong Kong: A Second Report, 81–87
Rauvolfia serpentina, 295
REISH, DONALD J.:
A New Species of Polychaetous Annelid (Family Capitellidae) from Southern California, 78–80
Reynoldsia sanduicensis, 172–173
Rhomphaea cometes, 366
RIFFENBURGH, ROBERT H.:
A Note on Walford's Transformation, 211

Sagitta hedoti, 271
hipunctata = *S. californica*, 271–272
decipiens, 273
enflata, 274
ferox, 274–275
hexaptera, 275
lyra, 275–276
minima, 276–277
neglecta, 277
pseudoserratodentata, 280
pulchra, 277–278
regularis, 278
robusta, 278–279
serratodentata pacifica, 279
tenuis = *friderici*, 280–281
Salmoneus tricristata sp. nov., 131–133
Schindleria, 73–76
praematurus, 74
Schindlerioidei, new suborder, 67, 73–76
Scyphoproctus djiboutiensis, 78–80
gravieri, 78–80
oculatus n. sp., 78–80
Scytodes marmorata, 363
striatipes, 364
Sebastodes ruberrimus, 312
SHERMAN, G. DONALD, and HARUYOSHI IKAWA:
Occurrence of Gibbsite Amygdules in Haiku Bauxite Area of Maui, 291–294
SHIINO, SUEO M.:
On a New Species of *Caligus* (Copepoda Parasitica) from the Coast of California, 351–356
Sicyos niihauensis sp. nov., 175–177
Smeringopus elongatus, 364
SMITH, RALPH I.:
The Synonymy of the Viviparous Polychaete *Neanthes lighti* Hartman (1938) with *Nereis limnicola* Johnson (1903), 349–350
Solanum Nelsoni var. *Nelsoni*, 173–175
SOLEM, ALAN:
Marine Mollusca of the New Hebrides, 253–268
Spiders from Some Pacific Islands, III. The Kingdom of Tonga, 362–367
Species of Zooplankton as a Means of Identifying Different Surface Waters and Demonstrating Their Movement and Mixing, 14–54
ST. JOHN, HAROLD:
Botanical Novelties on the Island of Niihau, Hawaiian Islands. Hawaiian Plant Studies 25, 156–190
STONE, BENJAMIN C.:
The Flora of Namonuito and the Hall Islands, 88–104
Structure and Reproduction of *Gulsonia annulata* Harvey (Rhodophyta), 55–62
SUND, PAUL N.:
A Key to the Chaetognatha of the Tropical Eastern Pacific Ocean, 269–285
SWANHOLM, CARL E., HAROLD ST. JOHN, and PAUL J. SCHEUER:
A Survey for Alkaloids in Hawaiian Plants. Part I, 295–306
Synalpheus carinatus, 133
charon obscurus, 133
coutierei, 133
paraneomeris, 133
tuthilli sp. nov., 133–136
Synonymy of the Viviparous Polychaete *Neanthes lighti* Hartman (1938) with *Nereis limnicola* Johnson (1903), 349–350

Tagging of Skipjack in Hawaiian Waters, 342–348
Talitrus spp., 107–129
Tetragnatha macilenta, 366
panopea, 366
Theridion adamsoni, 366
albostriatum, 366
aleipata, 366
Thorellia ensifera, 366
Thunor microscaphis sp. nov., 151–154
Turbinaria heronensis n. sp., 287–290

Vegetative Anatomy of *Dubautia*, *Argyroxiphium*, and *Wilkesia* (Compositae), 195–210
Vibilia stebbingi (?), 325–334
Vitia albipalpis, 366

WELLS, JOHN W.:
Notes on Indo-Pacific Scleractinian Corals. Parts I and II, 286–290
WINKLER, LINDSAY R.:
A Mechanism of Color Variation Operating in the West Coast Sea Hare, *Aplysia californica* Cooper, 63–66
Intraspecific Variation in the Purple Secretion of the California Sea Hare, *Aplysia californica* Cooper, 357–361
WOLLASTON, ELISE M., and H. B. S. WOMERSLEY:
The Structure and Reproduction of *Gulsonia annulata* Harvey (Rhodophyta), 55–62

YAMASHITA, DANIEL T., and KENNETH D. WALDRON:
Tagging of Skipjack in Hawaiian Waters, 342–348

Z nogobius farcimen, 68